**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Percent Change Practice**

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| **New - Original x 100**  **Original** |

**Directions:** Please find the **percent change** for each situation. Round to the nearest hundredth, if necessary. **Show your work.**

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| 1. A tree begins as a 1.5 foot tall sapling and grows to 20.5 feet. | 2. A holiday sweater initially marked at $45 is on sale for $15. |
| 3. Rent costs $800 per month your first year of renting a studio apartment and then goes up to $900 after your third year of renting. | 4. A motorcyclist rides at 15 mph in the city and then increases her speed to 60 mph on the highway. |
| 5. A small town has 100,400 this year and the population increases to 100,500 in five more years. | 6. A tweet is retweeted five times the first day and then a total of seven hundred times the second day. |
| 7. There are 4,000 germs in a bathroom. After two weeks of no cleaning, there are 12,000 germs in the bathroom. | 8. A fifth grader is four feet tall. In eighth grade, that same student is five and a half feet tall. |
| 9. At a barbecue, there are fifty hamburgers. By the end of the event, there are two hamburgers left. | 10. A college student has $5,600 in his bank account. After his first year of college, he has $1,500 in his bank account. |
| 11. An eighth grader works a summer job. At the beginning of the summer, she has $45 in her bank account. At the end of the summer, she has $645 in her bank account. | 12. In August, there are six thousand people on vacation at Sparkle Beach. In September, there are two hundred people on vacation at Sparkle Beach. |
| 13. A Girl Scout has thirty boxes of cookies. She sells some and has one box left. | 14. Seven hundred species of dinosaurs existed. Now, no species exist. |